

Safety Insider

June 2014

Bay Area Environmental Safety Group

Meeting Time and Location

Wednesday, June 18, 2014

12:00 – 1:00 PM

Registration starts at 11:30 AM

\$27 Members with reservations

\$37 Non-Members and Walk-ins

Santa Clara Golf and Tennis Club

Conference Center

5151 Stars and Stripes Drive

Santa Clara, CA

(408) 330 – 0001

For directions go to

www.baesg.org or see Page 3

RSVP at

baesgreservation@gmail.com

July Meeting Topic:

Sampling 101 – Storm Water Sampling

An Introduction to the Analytical Laboratory. We will review the interactions between the field sampler and the lab, including pre-sample planning, sample chain of custody and method selection. Key topics within the discussion will include sample matrices, supplies, holding times and preservatives. The goal of any project is to collect relevant and valid data; ensuring regular communication with the lab will aid in the safe and successful completion of your project.

Speaker's Bio

Cindy Grace

Account Executive for Test America Laboratories

Cindy has fifteen years' experience within the environmental industry. She has previously worked in consulting, risk management, indoor air quality, and hazardous waste management. Cindy received her B.S. Degree in Environmental Science from DePaul University in Chicago, Illinois.

Table of Contents

Member Spotlight.....	p.3
Regulatory Update.....	p.4
News Release.....	p.5
Featured Article.....	p.6
“Homeland Security Developing Improving Structure Glove for First Responder ”	
Meeting Location.....	p.8
PDC Sponsors.....	p.9
Announcements	p.10
Upcoming Events.....	p.11
Job Postings.....	p.12
Membership Application.....	p.16

Member Spotlight



Stephen Hauptman

Stephen holds a Bachelor degree in Electro-Mechanical Technology from the City College of New York and an Associate of Science degree in Electrical Technology from New York City Community College. He is a Certified Safety Professional. Stephen has worked for several fortune 500 companies in his career. Instead of working through a career milestone, Stephen believes in diverging into multiple fields in his career. This is because getting experience in different fields makes Stephen feels more challenging than focusing on a single field. Further, Stephen believes that a career is not a single destiny, but it contains chapters of different journeys.

In regards to the field of EH&S, Stephen thinks that the biggest challenge is to gain commitment from upper management. This is because management usually does not consider EH&S department as a revenue driver. Therefore, it is particularly crucial for EH&S professionals to demonstrate their values in cost-savings through the process of accident and injury reductions, regulatory compliance, and medical claim reductions. EH&S professionals must be able to incorporate his or her knowledge in finance to sustain his or her value in a corporation. Lastly, Stephen recommends his colleagues in the field to be proud of what they are doing and be ethical in their EH&S practices.

Regulatory Update

OSHA announces final rule revising standards
for electric power generation, transmission and distribution

WASHINGTON – The Occupational Safety and Health Administration today announced that it would be issuing a [final rule](#)* to improve workplace safety and health for workers performing electric power generation, transmission and distribution work.

"This long-overdue update will save nearly 20 lives and prevent 118 serious injuries annually," said Dr. David Michaels, assistant secretary of labor for occupational safety and health. "Electric utilities, electrical contractors and labor organizations have persistently championed these much-needed measures to better protect the men and women who work on or near electrical power lines."

OSHA is revising the 40-year-old construction standard for electric power line work to make it more consistent with the corresponding general industry standard and is also making some revisions to the construction and general industry requirements. The updated standards for general industry and construction include new or revised provisions for host and contract employers to share safety-related information with each other and with employees, as well as for improved fall protection for employees working from aerial lifts and on overhead line structures. In addition, the standards adopt revised approach-distance requirements to better ensure that unprotected workers do not get dangerously close to energized lines and equipment. The final rule also adds new requirements to protect workers from electric arcs.

General industry and construction standards for electrical protective equipment are also revised under the final rule. The new standard for electrical protective equipment applies to all construction work and replaces the existing construction standard, which was based on out-of-date information, with a set of performance-oriented requirements consistent with the latest revisions of the relevant consensus standards. The new standards address the safe use and care of electrical protective equipment, including new requirements that equipment made of materials other than rubber provide adequate protection from electrical hazards.

The final rule will result in estimated monetized benefits of \$179 million annually, with net benefits equal to about \$130 million annually.

Additional information on the final rule is available at http://www.osha.gov/dsg/power_generation/. The final rule becomes effective 90 days after publication in the Federal Register. OSHA adopted delayed compliance deadlines for certain requirements.

Under the [Occupational Safety and Health Act of 1970](#), employers are responsible for providing safe and healthful workplaces for their employees. OSHA's role is to ensure these conditions for America's working men and women by setting and enforcing standards, and providing training, education and assistance. For more information, visit www.osha.gov.

News Release

AIHce 2014: NIOSH Director John Howard Forecasts the Future of Industrial Hygiene

Howard predicts emerging manufacturing technologies and technological innovations in IH sampling will change the profession.

Jun 5, 2014 [Sandy Smith](#)



In his June 3 AIHce 2014 general session address at the Henry B. Gonzalez Convention Center in San Antonio, NIOSH Director John Howard, MD, MPH, JD, LLM, looked into his crystal ball and predicted how the health effects of emerging manufacturing technologies and technological innovations in sampling practices will change the IH profession over the next 75 years.

According to Howard, new manufacturing technologies such as 3-D printing, which shapes objects and builds machines by adding layers of material, will bring about a new industrial revolution and could result in changes for IHS and their work.

"The current trend in manufacturing poses the question of whether robotic 3-D manufacturing removes the risks around which traditional IH practice has been oriented," Howard said.

Howard added that the next era of exposure assessment may involve continuous sensing of the working environment. IH professionals will soon have the ability to monitor chemical loads in workers' bodies and determine how those exposures have altered them.

In the next 75 years, Howard suggested that direct-reading instruments may allow workers to control their own exposures, and that IH sampling may evolve to incorporate the use of sensors that continuously send exposure data to a central repository.

Howard concluded by stating that despite all the changes that may lie ahead, the challenge to occupational health and safety in the 21st century is the same as it was when AIHA was founded in 1939, to ensure the safety and health of all workers.

Featured Article

Homeland Security Developing Improved Structure Glove for First Responders

May 19, 2014 [Josh Cab](#)

The U.S. Department of Homeland Security is developing an improved structure glove “merging the needs of firefighters with available technology and improved materials.”



Designed using current technology and improved materials, the improved structure firefighting glove is lightweight, provides improved fit and form and allows for more precise movements, according to Homeland Security.

Firefighters wear “structure gloves” to protect their hands. However, the structure gloves on the market today aren’t designed for the precision movements that first responders must perform, the U.S. Department of Homeland Security says.

“Firefighters have been using bulky leather structure gloves for many years,” says Greg Price, director of Responder Technologies, a division within Homeland Security’s Science and Technology Directorate. “The new tools firefighters use in the field enhance their mission, but the gloves haven’t updated with the technology.”

Price and his colleagues are seeking to change that. Price is overseeing the development of an improved, less bulky structure glove “merging the needs of firefighters with available technology and improved materials,” Homeland Security says.

Developed in partnership with NanoSonic and Shelby Specialty Gloves, the department says its improved structure firefighting glove is a combination of traditional materials and NanoSonic's HybridShield insulated materials that are water-repellent as well as heat- and puncture-resistant.

Homeland Security's Science and Technology Directorate asked Germantown, Tenn.-based Shelby Specialty Gloves to take the glove one step further. Homeland Security asserts that the resulting product is "a lightweight, improved-form and better-fitting structure glove."

The project underwent multiple stages of research and testing to ensure that the selected materials were durable enough to handle field conditions. In 2012, Homeland Security shipped glove prototypes to multiple fire departments for testing. Each iteration incorporated improvements based on firefighters' feedback.

The current version of the glove was assessed in 2013, and evaluated against five categories: ease of donning and doffing; proper fit; puncture resistance; dexterity; and thermal protection and heat dissipation.

The improved structure glove received glowing reviews, according to Homeland Security.

"The enhanced fit allows firefighters to perform even the most delicate of tasks, such as inserting a key into a lock," Homeland Security says. "Firefighters noted heat resistance, don-and-doff ability and overall comfort and flexibility as key improvements in the improved structure glove."

The final round of testing is underway. The department says it expects the glove to meet current National Fire Protection Association (NFPA) standards.

"If we stay on our current schedule, we hope to have the gloves NFPA-certified and available for commercial purchase by third-quarter 2014," Price says.

MEETING LOCATION

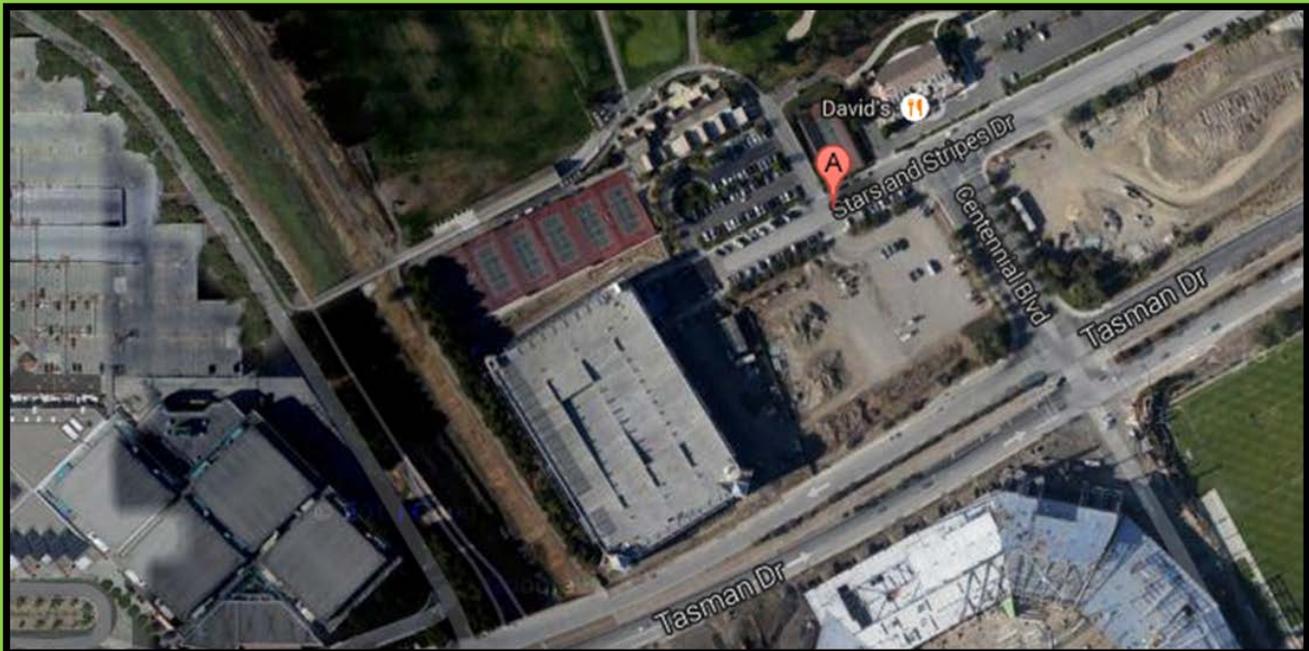
Santa Clara Golf and Tennis Club Conference Center
5151 Stars and Strips Drive
Santa Clara, CA, (408) 980-9515

(Off Tasman across from the new stadium entrance)

(Second traffic light east of the Hilton on Tasman)

Lunch will feature a sumptuous Chef's Choice Menu.

Please let Jarod know if you have any special Dietary needs, such as vegetarian.



PDC Sponsors



**Enviro
Safetech**
Your **SAFETY** is **OUR** Business



Prestige Safety Rx
Local On-site Safety Eyewear Provider
www.prestigesafetyrx.com
650-266-8584 / 800-272-9226



NCA|ETC
**NORTHERN CALIFORNIA
ENVIRONMENTAL
TRAINING CENTER**



genium
Waste In. Green Out.

Save the date for Professional Development
Conference 2014, Wednesday October 15.
Location and topics to be determined.

Announcement I



"The Spring 2014 BAESG Scholarship Award presented to Jason Reed, SJSU MS Candidate in Environmental Studies, at our May 21 Lunch Meeting, by Steve Hochstadt, Scholarship Chair. The scholarship award is sponsored by attendees and participants of our annual Professional Development Conference, scheduled for October 2014 at PARC".

Announcement II

BAESG PDC Event

Event Date: October 15, 2014.

Venue: Palo Alto Research Center (PARC)

Address: 3333 Coyote Hill Road

Palo Alto, CA 94305

Tel: 650-812-4000

Alternative, public Transportation is available. There are Shuttle services from the University Cal Train Station in Palo Alto.

Upcoming Events



UC Santa Cruz Extension has the following training courses/seminars coming up in Cupertino/Santa Clara (For more information see: <http://www.ucsc-extension.edu/>)

- [40-Hour Hazardous Waste Operation & Emergency Response Training \(Federal OSHA, 29 CFR 1910.120\) - August 18 - 22](#)
- [Waste Stream Management - September 8 – October 27](#)
- [Regulatory Framework for Toxic & Hazardous Material – October 1 – 29](#)

Environmental Training Center has courses/seminars coming up at Mission College (For more information see: <HTTP://WWW.EHSTraining.org>).

- DOT 49 CFR Hazardous Material Transportation – July 11
- OSHA HAZWOPER 8 Hour Refresher- July 11
- OSHA HAZWOPER 24 Hour Class- July 11, July 12, & July 18
- OSHA HAZWOPER 40 Hour Class- July 11, July 12, July 18, July 19, & July 25

Northern California Chapter of the Alliance of Hazardous Materials Professionals Chapter Meeting.

Topic: Compliance Disclosure in Environmental Assessments. Pedros Restaurant in Santa Clara, CA. June 25, 2014 - 6PM networking, 7PM Dinner. Speakers: Holly Neber, President, AEI Consultants; Jeff Lawson, Environmental Attorney, Silicon Valley Law Group; Georgina Dannatt, VP/Environmental Risk Manager, Bank of the West. Cost \$35. For more information, please go to: <http://ncc-ahmp.org/meetinginfo.php?id=41&ts=1401991893>

Regulations Governing the Use, Distribution, Handling, and Dispensing of Regulated Hazardous Gases

Fremont City Building and Safety Department, 39550 Liberty Street, Fremont, CA 94538- Niles Conference Rm.

Friday, July 18, 2014 8 a.m. - 12 p.m.

This workshop will utilize field examples from existing facilities to demonstrate the intent of applicable 2013 California Fire Code regulations:

- Regulated Materials and Quantities that Trigger Specific Requirements
- Hazard Classifications- Single Regulated Material vs. Gas Mixtures
- Specific Control Requirements for Various Hazard Categories

See the flyer attached at the end of this newsletter- BAESG members get a \$50 discount when using the registration form

Please email Stanley Li, Newsletter Editor at Stanley.Li@parc.com if you have an event that you would like posted on our upcoming events page. All notices are subject to BAESG Board member approval.

Recent Job Postings

Safety Coordinator

Cupertino Electric, Inc.

Manage the company's environmental, health and safety program at a project level. Provide technical support and assistance to Project Team in developing and maintaining a Project Safety Roadmap. Support Project Team in developing and sustaining an Incident and Injury Free Culture (IIFC). This position will report to the Project Safety Manager.

To apply:

<http://ch.tbe.taleo.net/CH04/ats/careers/requisition.jsp?org=CEI&cws=1&rid=798&source=Indeed>

Environmental Health & Safety (EHS) Internship

Lam Research

To apply:

https://sjobs.brassring.com/1033/asp/tg/cim_jobdetail.asp?jobId=926542&PartnerId=11542&SiteId=259&type=mail&JobReqLang=1&recordstart=1&JobSiteId=259&JobSiteInfo=684895_259&gqid=0&codes=IND

Environmental Health and Safety Manager

U.S. Concrete

To apply: <http://centralconcrete.applicantpro.com//jobs/101992-33456.html>

Field Safety Compliance Manager (FSCM)

CEVA Logistics

The FSCM's will be responsible for facilitating the application and execution of the of CEVA's environmental, health and safety programs to ensure that all of the location's facilities, vehicles and equipment comply with applicable company and regulatory standards to provide a safe environment for our employees, our contractors and the public.

To apply: <https://eaglegl.taleo.net/careersection/2/jobdetail.ftl?job=248241&src=JB-10120>

Health and Safety Specialist

Genomic Health

Genomic Health, Inc. is seeking a Health and Safety Specialist to perform tasks guided by established policies and procedures and under the general direction of Facilities/H&S management. The H&S Specialist will have a background in executing and, where necessary, modifying such policies and in recommending and providing innovative and cost-effective solutions. A well-qualified candidate will

possess proficiency in H&S program organization and administration including: emergency preparedness, health and safety training, incident investigation, environmental reporting, hazardous materials and waste management, inspection/auditing, ergonomics, Worker's Compensation, biosafety, and promoting employee involvement in health and safety The H&S Specialist will have the ability to communicate to a broad and diverse audience and be able to work closely with internal clients to coordinate safety-related services. The Specialist shall possess an excellent working knowledge of local, state and Federal regulations and requirements that apply to Genomic Health's local operations. The Specialist shall participate as a member of the Emergency Action Team and respond to health and safety-related emergencies.

To apply: <http://genomichealthjobs.com/united-states/corporate-functions/health-and-safety-specialist-jobs?mode=job&iis=Indeed&iisn=Indeed.com>

EHS Professional 3

EMC

The EHS Professional 3 will be responsible for leading continuous improvement initiatives by building and maintaining the environmental, health & safety infrastructure, ensuring compliance with EHS laws and regulations, as well as developing and delivering best practices. While the emphasis is on the effective support of day to day environmental, health and safety activities within the business, the job holder will also be expected to contribute to the wider business and interact with and support the overall EHS function and the Real Estate and Facilities Management Team. The EHS Professional 3 may lead in-plant safety teams to conduct periodic audits and track corrective actions. Track state and federal EHS regulations and report changes to corporation, and update EHS programs and policies as needed. Coordinate the collection of information for various state and federal environmental reports. Exhibits professionalism on consistent basis. Works under minimal supervision.

To apply: <http://jobs.emc.com/us/united-states/global-facilities/jobid5453876-ehs-professional-3?apstr=%26codes%3D1-IJIND>

Staff Environmental Compliance Consultant

Erm Group

ERM is seeking a motivated Staff Environmental Compliance Consultant to join our consulting firm in San Jose, CA. In this role, you will work closely with Project Managers and provide technical assistance on environmental and occupational health and safety compliance with our clients.

To apply:

http://www.doostang.com/signups/signup_syndicate_nonfinance/629051?utm_source=IndeedRiskExternal&utm_medium=sponsored&rx_medium=cpc&rx_campaign=indeed13&rx_source=indeed&rx_content=Risk_External&utm_campaign=RiskExternal&utm_keyword=&kme=close%20loop%20syndication%20job%20lander%20hit&km_campaign=RiskExternal&km_job_board=Indeed&job_id=0326250223

Environment/Health/Safety Specialist

W. L. Gore & Associates

Gore Medical Products has provided creative therapeutic solutions to complex medical problems for 35 years, saving and improving the quality of lives worldwide. As a leading manufacturer of vascular grafts, endovascular and interventional devices, surgical meshes for hernia repair, and sutures, we are looking for an Environmental, Health, and Safety (EH&S) Specialist to join our team in Sunnyvale, CA.

If you are searching for a company where you can make a difference, we're looking for you. In this role, you will insure ongoing compliance with EH&S regulations, providing a safe workplace and protecting the environment.

To apply: <https://wlgore.taleo.net/careersection/2/jobdetail.ftl?lang=en&job=283380&src=JB-11581>

Environmental Health & Safety Engineer

Cepheid

The EHS Engineer position will be responsible for providing Health and Safety support to Cepheid Manufacturing operations based in in Sunnyvale with occasional travel to Lodi. This position will report to the Sr. Manager EHS & Product Safety. Responsibilities will include safety engineering, safety training, tracking and reporting key safety metrics, safety inspections, and tracking corrective actions. Experience with manufacturing job hazard analyses and related injury and illness prevention programs are key to the success of this position.

To apply: <https://jobs-cepheid.icims.com/jobs/4341/environmental-health-%26-safety-engineer/job?mode=job&iis=Internet+Job+Ad+-+Indeed.com&iisn=Indeed.com&mobile=false&width=1600&height=791&bga=true&needsRedirect=false>

Senior Consultant - Environmental Health and Safety

Antea Group

As Senior Consultant you will generate profitable business by capitalizing on existing relationships and by generating new business based on your own network. You will be a key member of our California team to drive growth of our EHS services. Besides working at the local level, you will also have opportunities to contribute at the national and global level. You will work with other senior leaders in the company in different market segments to further develop our services. You will be accountable for successfully selling to and consulting with our EHS clients.

This role could be based in one of four of our office locations in California. Position is full-time with regular travel to support regional, national or global clients.

To apply: <http://us.anteagroup.com/node/27735>

Field Environmental Analyst

Lawrence Livermore National Laboratory

To apply: https://careers-prd.inl.gov/psc/careers/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_JOB_DTL&Action=A&JobOpeningId=12261&SiteId=1&PostingSeq=1&s=Indeed&

Senior Health & Safety Professional

URS Corporation

To apply: <https://www.urs.apply2jobs.com/ProfExt/index.cfm?fuseaction=mExternal.showJob&RID=86799&CurrentPage=180&sid=364>

Environmental Program Manager - San Jose, CA

Safety-Kleen

To apply: https://careers.peopleclick.com/careerscp/client_safetykleen/external_cleanharbors/gateway.do?functionName=viewFromLink&jobPostId=29797&localeCode=en-us&source=Indeed.com&sourceType=PREMIUM_POST_SITE

Senior Environmental Health and Safety Coordinator

Intersect ENT

The Senior Environmental Health and Safety Coordinator will coordinate all health, safety and environmental programs, inspections, training, audits and hazard assessments related to OSHA and environmental requirements in support of established safety policies and practices that ensure the environmental safety of employees, contractors and visitors.

To apply: http://www.careerbuilder.com/jobseeker/jobs/jobdetails.aspx?Job_DID=JHQ41W6RRW72FYD8NXP&siteid=cb001&showNewJDP=yes&ipath=EXINDsep_google_feed

Environmental Health & Safety Manager

Thermo Fisher Scientific

Provides EH&S oversight for the San Jose and Sunnyvale factories and has primary responsibility for the company's regulatory compliance, training, and Worker's Compensation programs. Additional responsibilities are outlined below.

To apply: <https://www.theladders.com/job/jobboard?cr=7792217&pl=ind-22>

Director, Safety San Mateo County Transit District (Samtrans)

To apply: http://jobview.monster.com/Director-Safety-Job-San-Carlos-CA-US-135124127.aspx?WT.mc_n=Indeed_US&from=indeed

BAESG MEMBERSHIP APPLICATION

Please use your browser's PRINT command to print this membership application form. Please complete the form and attach membership dues. Annual membership dues are \$50.00. (\$25.00 for full-time students and retired EH&S professionals).

Make your check payable to **BAESG** and return with this application to:

Membership Director
Bay Area Environmental Safety Group
P. O. Box 60363
Sunnyvale, CA 94088-0363

Personal Information and Company Address (to be listed in the Membership Directory)

Name: _____

Application Date: _____ New Renewal

Full-time Student? Yes ___ No ___

Certifications (such as PE, CIH, CSP, CHMM) _____

Job Title (or field of study): _____

Company or (College/University): _____

Mailing Address: _____

City, State, and Zip Code: _____

Daytime Phone (with area code): _____ Fax: _____

Email address: _____

Monthly newsletters will be sent to the above email address.

Would you like to receive job opportunities? yes no
at what e-mail address? same this one: _____

Areas of Interest: Please indicate any areas of special interest that you would like to see covered during the monthly meetings.

TOPIC: _____

PRESENTING? Yes ___ No ___ **TOPIC:** _____



TGO
Solutions



Regulations Governing the Use, Distribution, Handling, and Dispensing of Regulated Hazardous Gases

By Harish Goyal, P.E.

This workshop will utilize field examples from existing facilities to demonstrate the intent of applicable 2013 California Fire Code regulations

- **Regulated Materials and Quantities that Trigger Specific Requirements**
- **Hazard Classifications- Single Regulated Material vs. Gas Mixtures**
- **Specific Control Requirements for Various Hazard Categories**
 - Flammable
 - Toxic and Highly Toxic
 - Oxidizer
 - Pyrophoric
 - Unstable Reactive
- **Exterior Storage Requirements**

COST	DATE	TIME
\$250.00 Includes "Toxic Gas Interpretation Guidebook" and Training Manual Refreshments Provided	Friday July 18, 2014	8 a.m. - 12 p.m.

LOCATION: Fremont City Building and Safety Department, 39550 Liberty Street, Fremont, CA 94538
Niles Conference Room



For driving Directions and maps go to <http://www.fremont.gov/>

SEE REVERSE FOR REGISTRATION/FEE INFORMATION

*Cost \$250.00/ per participant
Registration is limited to 40 participants and will be accepted on a payment-received basis
Please pre-register to ensure space
For questions regarding enrollment status, contact Harish Goyal at (408) 835-7546
Refreshments: Light refreshments served*

REGISTRATION FORM

NAME _____ TITLE _____

COMPANY _____

ADDRESS _____ City/ Zip _____

TELEPHONE (____) _____ e-mail address _____

Registration may be faxed to (510) 438-0732 or e-mailed to harish@tgosolutions.com
Contact Harish Goyal at harish@tgosolutions.com for confirmation of fax received.
You will receive an e-mail confirmation of registration once enrollment is processed**

Payments can be made by check or credit card

(1) If paying by check, make check payable to TGO Solutions and mail to:

TGO Solutions
P.O.Box 3046
Fremont, CA 94539, USA

(2) If paying by credit card, please provide the following information:

Total Amount Enclosed / Authorized is \$ _____ for _____ Reservation(s)

Method of Payment:

Circle payment type / AmEx / Visa / MasterCard _____

Please Print Name Shown on Card _____

Credit Card # _____ 3-digit Security Code: _____

Exp. Date: _____ Billing Zip code _____

Signature _____

REFUND POLICY: Refunds require a written request and must be received one week prior to the seminar. A \$25.00 handling fee will be charged for processing each refund

****CANCELLATION:** Seminar may be cancelled due to low enrollment. Participants will be notified and refunded full payment

QUESTIONS REGARDING CURRICULUM:

Contact Harish Goyal at (408) 835-7546 or harish@tgosolutions.com

www.tgosolutionss.com

**We provide comprehensive solutions
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